

REVUE ROUMAINE DE CHIMIE (ROMANIAN JOURNAL OF CHEMISTRY)

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PAPERS

**Amel AMIROUCHE-KORICHI,
Samir BAYOU and Mohamed MOUZALI**

Effects of cross-linking agents and radiopacifying fillers on degree of conversion and volumetric shrinkage of denture based methacrylic resins

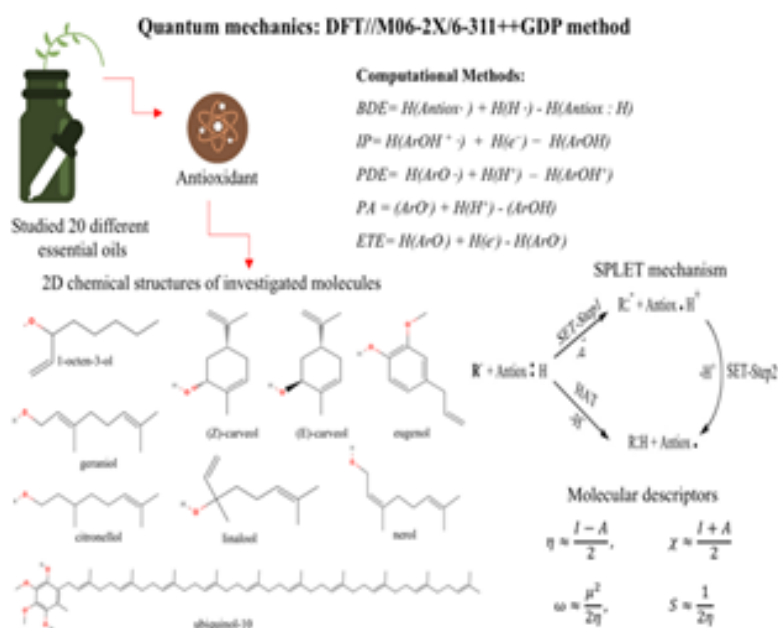


DOI: 10.33224/rch.2022.67.8-9.01
Rev. Roum. Chim., 2022, 67(8–9), 429–437

Key words: denture, resin methacrylic, poly methyl methacrylate, volumetric shrinkage, degree of conversion.

**Vildan Enisoğlu ATALAY,
Merve Gözdenur DEMIRBEK,
Yarkın Aybars ÇETIN and
İbrahim Barış ÖLÜ**

Investigation of antioxidant effects of various organic oil components by theoretical methods

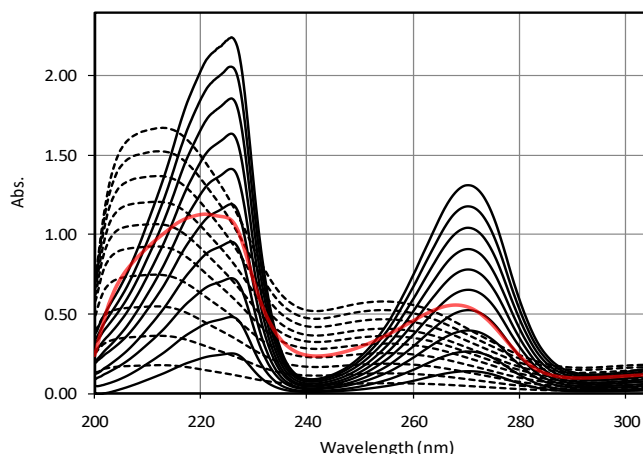


DOI: 10.33224/rch.2022.67.8-9.02
Rev. Roum. Chim., 2022, 67(8–9), 439–446

Key words: antioxidant, M06-2X, free radicals, organic oil components.

Özgür ÜSTÜNDAĞ and Erdal DINÇ

Continuous wavelet transform approach for the assay of active components in tablets



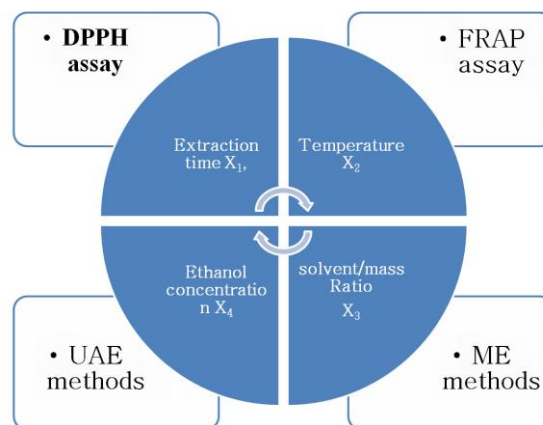
Key words: continuous wavelets transform, spectrophotometry, hydrochlorothiazide, candesartan cilexetil, quantitative determination.

DOI: 10.33224/rch.2022.67.8-9.03

Rev. Roum. Chim., 2022, 67(8–9), 447–454

Soumaya HASNI, Olfa KHEDHER, Hajer RIGUENE, Hanene GHAZGHAZI, Gökhan ZENGİN, Moufida A. OUESLETİ, Ghayth RIGANE and Ridha BEN SALEM

Response surface methodology: optimisation of antioxidant activities from *Eucalyptus marginata* L. by products under maceration and ultrasound-assisted extraction



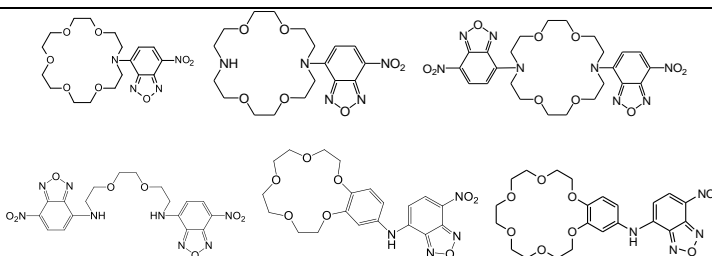
Key words: *Eucalyptus marginata*, ultrasound, maceration extractions, reponse surface methodology.

DOI: 10.33224/rch.2022.67.8-9.04

Rev. Roum. Chim., 2022, 67(8–9), 455–465

Alexandru BUJOR, Iulia MATEI, Daniela C. CULITA, Anamaria HANGANU, Victorita TECUCEANU and Petre IONITA

Linear and cyclic ethylene-glycols labelled with nitrobenzofurazan motifs



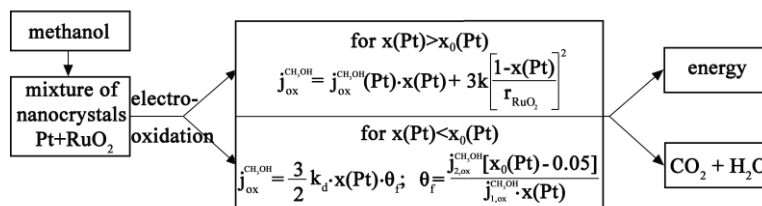
DOI: 10.33224/rch.2022.67.8-9.05

Rev. Roum. Chim., 2022, 67(8–9), 467–471

Key words: crown ether, NBD, fluorescence, supramolecular chemistry.

Milica SPASOJEVIĆ, Dušan MARKOVIĆ and Miroslav SPASOJEVIĆ

Mathematical model of electrocatalysis of methanol oxidation at the mixture of nanocrystals of platinum and ruthenium dioxide



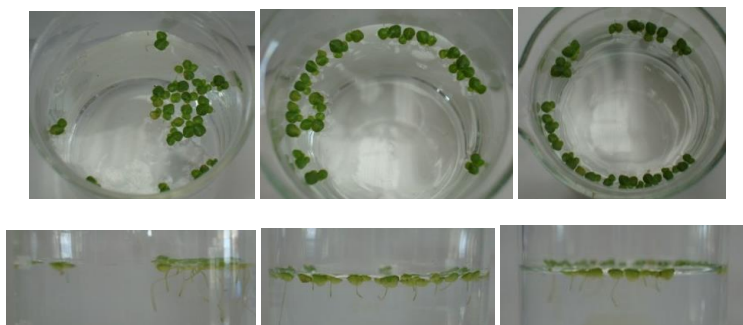
DOI: 10.33224/rch.2022.67.8-9.06

Rev. Roum. Chim., 2022, 67(8–9), 473–482

Key words: methanol, nanocrystal, platinum, ruthenium dioxide.

Roberto CONTRERAS-BUSTOS,
José L. F. RAMOS-TAPIA,
Ana L. MARTÍNEZ-HERNÁNDEZ,
Jaime JIMÉNEZ-BECERRIL,
Melania JIMÉNEZ-REYES and
Bibiana CERCADO

Cr(VI) adsorption by *Lemna minor* considering operational, chemical and biological factors



DOI: 10.33224/rrch.2022.67.8-9.07
 Rev. Roum. Chim., 2022, 67(8–9), 483–492

Key words: Cr(VI), *Lemna minor*, adsorption kinetic and isotherm, temperature, stirring, pH.

Sedigheh PARGALEH BOROUJENI,
Noureddin GOODARZIAN,
Neda HASANZADEH and
Mohammad Kazem MOHAMMADI

Evaluation of the microorganisms growth with stabilized doxorubicin on nano graphene oxide substrate

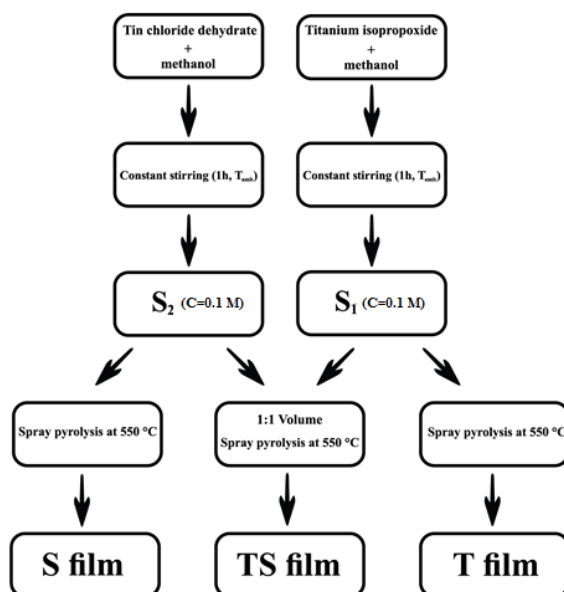


DOI: 10.33224/rrch.2022.67.8-9.08
 Rev. Roum. Chim., 2022, 67(8–9), 493–501

Key words: doxorubicin, graphene oxide, microorganism, nanoparticles.

Abdelmadjid ABABSA, Akila BENAÏSSA,
Youcef BELLAL, Nail El Houcine BARAMA,
Antar BOUHANK, Khaled HAMDI-CHERIF
and Noureddine GHERRAF

Photodegradation of sunset yellow by TiO₂/SnO₂ nanocomposites films deposited using spray pyrolysis



DOI: 10.33224/rrch.2022.67.8-9.09
 Rev. Roum. Chim., 2022, 67(8–9), 503–510

Key words: SnO₂, TiO₂, spray pyrolysis, photodegradation, sunset yellow.

